Brian Hechinger

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DevOps Architect/Systems Programmer with 25+ years of experience building redundant, performant environments. Proponent of "configuration as code" and fully automated systems when at all possible.

PROFESSIONAL EXPERIENCE

ARDAN LABS, Miami, FL (remote)
Senior Go Engineer, December 2020 – Present

- Developing applications in Go
- Performing automated testing on Go applications
- Building and deploying apps and containers in Kubernetes
- Advising customers regarding best practices

CLOUDREACH, Atlanta, GA (remote)
DevOps Engineer, April 2018 – December 2020

- Managing AWS and GCP Infrastructure using Terraform and Packer
- Managing server configuration with Chef and Ansible
- Writing Lambda functions and CI/CD pipelines
- Advising customers regarding best practices
- Building and deploying apps and containers in ECS and Kubernetes
- Writing software in Python and Go

ENDOTRONIX, Lisle, IL (remote)
Senior DevOps Engineer, June 2017 – April 2018

- Managed AWS Infrastructure using Terraform and Packer
- Managed server configuration with Chef Automate
- Ensured secure system configuration with Chef Compliance
- Started re-writing the API back-end in Go to be run as Lambda functions
- Created CI/CD pipelines using GitLab-CI and Chef Automate

CISCO SYSTEMS, Alpharetta, GA
Senior DevOps Architect/Systems Programmer, September 2015 – April 2017

- Managed all aspects of the Security Engineering Lab Infrastructure;
  Hardware (Dell, HP, UCS; 300+), Virtualization (VMware, KVM; 1500+),
  OS (Debian) and Networking (IOS, Nexus), JIRA, Confluence, BitBucket (Stash)
- Wrote and maintained automated appliance deployment system using Python, Flask-RESTful, pyvmomi, libvirt, pycimc and RabbitMQ for our Engineers to be able to quickly deploy test systems turning a 4+ hour chore for them into a 15 second command line task
- Managed AWS EC2, S2 and RDS instances via web and API
- Managed docker for the new build system as well as the new appliance design

DAMBALLA, Atlanta, GA
Senior DevOps Architect, February 2015 – September 2015

- Designed and implemented better management of the production services using Puppet
- Managed three Cloudera Hadoop clusters
- Wrote custom Web Hook API server to interface with Envoy
- Wrote custom disk space usage trending for the Hadoop clusters to predict when to purchase additional hardware
- Managed AWS EC2, S2 and RDS instances via web and API
- Managed Tomcat as well as deployed applications to it

CARDIOMEMS, Atlanta, GA
Senior DevOps Engineer, June 2014 – February 2015
(Consultant from February 2015 until September 2016)

- Managed all aspects of UNIX systems with the assistance of Puppet and FreeIPA
- Wrote custom Puppet modules to manage the proper configuration of all pieces of the application stack
- Maintained on premise services such as GitLab, Puppet and FreeIPA

NICE SYSTEMS, Alpharetta, GA
Senior Linux Engineer, June 2013 – June 2014

- Managed KVM/RHEV hosts and the 600+ VMs that ran on them
- Managed MySQL, Tomcat, Vertica
- Wrote Ansible playbooks and Python code to help automate app deployment to Tomcat
- Managed Tomcat services
- Management of all server and network hardware (Dell, Cisco)
- Managed various apps: JIRA, Stash, Confluence, Crowd

NWN CORPORATION, Mount Laurel, NJ
Senior Solutions Engineer, November 2010 – June 2013

- Designed network, storage and virtualization environments for clients
- Implemented designs for clients
- Supported legacy and new client environments

THOMAS JEFFERSON UNIVERSITY, Philadelphia, PA
System Architect/Programmer, June 2006 – June 2010

- Architected many systems including the CommVault backup system, storage and networking
- Maintained many systems including email, custom in-house IDM system, LDAP, storage and networking
- Authored software to propagate IDM changes out to remote systems (Email, NT Domain, etc)
- Authored a user self-service portal to allow users to automatically handle certain tasks without administrator involvement
- Architecture and implementation of the new VMware vCenter cluster and the migrations of all VMs into it
- Planning and execution of a datacenter move
- Wrote software to help manage systems (email, LDAP, firewall rules, etc)
- Built automated system to build RPM packages to be distributed to deploy all our in-house software and the YUM repo to house it all

VERIZON DATA SYSTEMS, Tampa, FL
UNIX Support Engineer, June 2005 – June 2006

- Monitored and provided first line support for applications written to support data rollout services
- Wrote a number of tools to assist team members in being able to more effectively do their jobs

PENSKE TRUCK LEASING, Reading, PA
Senior Solaris Administrator, March 2003 – May 2005

- Management of Sun Solaris servers in support of the web applications for both public and internal systems
- Management of Legato backup and planning migration to Veritas NetBackup

UNITED MESSAGING, Malvern, PA
Senior Solaris Administrator, October 2001 – March 2003

- Managed Sun, Linux and AIX servers for the mail infrastructure
- Managed FiberChannel storage network and arrays

EDUCATION/CERTIFICATIONS

PENN STATE UNIVERSITY, State College, PA
Computer Science, 1992 (2 years)

RHCE (November 2006)
VCP5 (October 2011)

SKILLS SUMMARY

- Linux, FreeBSD, OpenBSD, Solaris, AIX, Windows
- VMware, KVM, Xen, vBox, docker, Solaris Zones
- AWS, Digital Ocean, Linode, GCP
- C, D, Go, Python, BASH, Java, PL/pgSQL
- Puppet, Ansible, Chef
- MySQL, Oracle, PostgreSQL, Vertica, Redis, RabbitMQ, Hadoop
- Tomcat, Sun Application Server
- Dell, HP, Cisco UCS, SuperMicro
- Cisco routers, Catalyst and Nexus switches, F5 BigIP LTM
- NetApp, 3Par, EMC, FiberChannel and InfiniBand
- JIRA, Confluence, BitBucket (Stash), Crowd

PERSONAL PROJECTS

- https://github.com/chremoas - Discord Bot with ties to EVE Online (written in Go)